de Gucena 2018-01875

Feature Activity 05 Documentation

Setting up the server

```
C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
Unable to find image 'httpd:2.4' locally
2.4: Pulling from library/httpd
69692152171a: Pull complete
7284b4e0cc7b: Pull complete
3678b2d55ccd: Pull complete
ab492cf0b2a4: Pull complete
991f7f97a9d8: Pull complete
Digest: sha256:e4c2b93c04762468a6cce6d507d94def02ef4dc285278d0d926e09827f4857db
Status: Downloaded newer image for httpd:2.4
5e12472fcdffdf83dab5b6d8431836e6062fe7b277e54b6213007786d454c175

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
3cb790fef95478a10e7bcbc3e7c07ff28e32ee3ecc5e29de2950c4efb24c4c5c

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>
```

Managing volumes

```
C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume ls
DRIVER    VOLUME NAME

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume create myvolume
myvolume

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume ls
DRIVER    VOLUME NAME
local     myvolume

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume rm myvolume
myvolume

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume ls
DRIVER    VOLUME NAME
```

Mounting volumes on containers

```
C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume create httpd_htdocs
httpd_htdocs

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
3d2891374979788b51d36eac419b296d614b3127550405928b82788205bdba87

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
61dbf6c75e3458e19b631ae892444542e009967a20e32167cbc5a8cd89a57932

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker volume rm httpd_htdocs
httpd_htdocs
```

Mounting host directories on containers

```
C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v "C:\Users\
Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes":/usr/local/apache2/htdocs/ httpd:2.4
065e2481f7e6b1c4dc6402333e2d383e81b4f4e66ec74e8a2ae92273df5eacb3

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>
```

```
<> index.html  X

C: > Users > Eliezer Jasper > Documents > GitHub > ME8_Containerization_and_Docker > 5-volumes > <> index.html
  1   <html><body><h1>It works quite well in Docker!</h1></body></html>
  2
```

```
C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works quite well in Docker!</h1></body></html>

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache

C:\Users\Eliezer Jasper\Documents\GitHub\ME8_Containerization_and_Docker\5-volumes>docker ps -a
CONTAINER ID   IMAGE          COMMAND               CREATED          STATUS                    PORTS        NAMES
a7544d25f10b   53453b141006   "sh -c 'ping $PING_T…"   47 minutes ago   Exited (0) 47 minutes ago              stupefied_cartwright
```